

Yanliang Han

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EMPLOYMENT

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|------------------------|--|----------------------------|
| Graduate Hourly | Database and Information Systems Laboratory | Jan 2012 - May 2012 |
|------------------------|--|----------------------------|

- Reduced time to render the data list by 80% by implementing a non-recursive algorithm with integral database access.
- Developed front and back ends for User Authentication, Password Encryption modules.
- Integrated TextCube, TopicCube algorithms into the NASA eventCube Data Mining system.

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|---|------------------------|-------------------------------|
| Software Development Eng. Intern | Microsoft Corp. | Autumn 2011 - Dec 2011 |
|---|------------------------|-------------------------------|

Global Information Management Platform for China Guangfa Bank (CGB)

Department: *Consulting Services*; Position: *Leader for team of 4*

- Lead my teammates working on Web Performance Testing, Load Testing and Performance Analysis, delivered our work far ahead of each deadline and gave assurance of bug-free.
- Designed the XML standard, XML validation schema and realized a workflow of Semi-automatic Batch Import, Audit and Publish, based on XML, Silverlight and Stored Procedure.
- Designed and implement the Advanced Search and Statistic Management Modules, based on User Defined Controls, Indexing and Optimized Stored Procedure.
- Working as a consultant, giving professional solutions for problems regarding XML, Stored Procedure Optimization, Silverlight, and Algorithms.
- Involved in, with other Microsoft's senior engineers, the development of the most important project – Global Information Management Platform for CGB (as illustrated more in page 2).

Technologies Applied (by then): .NET3.5 Web Application, SQL Server, IIS Deployment Technologies, HTML5, XML Schema, Stored Procedure, Indexing, Silverlight, AJAX, ADO.NET, Fiddler, Team Foundation Server, etc.

EDUCATION

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|----------------------|---|--------------------------------|
| Champaign, IL | University of Illinois at Urbana-Champaign | Spring 2012 - Fall 2013 |
|----------------------|---|--------------------------------|

M.C.S. in Computer Science

GPA: 3.04 (2013 Summer 3.67)

- Advanced Coursework (*Most challenging ones, more than required are taken for interest*): Advanced Data Mining; Computer Vision; Applied Cryptography; Object Oriented Programming and Design; Independent Study.
- Breadth Coursework: Text Information Systems; Database Systems; Programming Languages and Compilers; User Interface Design.

Guangzhou, P.R.C.

Sun Yat-sen University

Fall 2007 - Spring 2011

B.E. in Software Engineering

Overall GPA: 3.33 Major GPA: 3.43

Cumulative GPA for the 2nd and 3rd academic year: 3.63

- Selected Coursework (*Full list in page 2*): Data Structure and Algorithms; Human Computer Interaction; Computer Vision and Graph Understanding; Unify Communication; Software Engineering; Information Security...

TECHNICAL EXPERIENCE

- **Object Oriented Tic-tac-toe (2013)**. Smalltalk-based Ultimate Tic-tac-toe Implementation with Seaside framework. With a series of AI support.
- **Panorama Stitching, 3D Construction and Affine Factorization (2013)**. Feature detection with RANSAC and Homography Transform.
- **Illini Tutor Search (2012)**. Selected demo as a class project and win full score. Full featured UIUC tutor searching website with extensive database design that is already ready to launch on campus.
- **Team Leader in Mobile Multiparty Authentication System (MMAS) (2010)**. 3rd Prize in National Information Security Contest among over 500 competitors, 1st Prize in SYSU selective trials.

AWARDS

- 2008-2010 Twice award of 3rd-Prize Scholarship for Academic Excellence by SYSU
- 2009-2010 3rd Prize in National Information Security Contest issued by The Ministry of Education
- 2009-2010 3rd Prize in ACM Programming Contest held by SYSU

LANGUAGES AND TECHNOLOGIES

- C++; C; Java; C#; ASP.NET; PHP; HTML; SQL; OCaml; Smalltalk; XML Schema
- Matlab; Visual Studio; SQL Server; MySQL; Pharo; Netbeans; Eclipse; Linux; GitHub; SVN; TFS; OpenCV

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APPENDIX

DEMOS

- Object Oriented Tic-tac-toe: <http://ss3.gemtalksystems.com/ss/CS528-TicTacToe.html/Overview>
- Illini Tutor Search: <http://www.skywalkerhunter.com/fourgrad/index.php>
 - Report: <https://wiki.engr.illinois.edu/display/cs411sp12/FourGrads+Final+Report>
 - Video Demo: <http://www.youtube.com/watch?v=0LILG0sJjIM>
 - Source Code: <https://github.com/oliverwreath/demo-site/tree/master/10-31-2013.site.php/fourgrad>
- Panorama Stitching (Computer Vision(CV) Series) source codes: <https://github.com/oliverwreath/CV>
- Personal Website: <http://www.skywalkerhunter.com/>
- GitHub: <https://github.com/oliverwreath>
- Some ICPC code: <https://github.com/oliverwreath/ICPC>

Guangdong, P.R.C.

Sun Yat-sen University

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Overall GPA: 3.33 Major GPA: 3.43

Cumulative GPA for the 2nd and 3rd academic year: 3.63

- Math Coursework: Numerical Method; Linear Algebra; Discrete Mathematics; Calculus; Probability Theory and Mathematical Statistics.
- CS Coursework: Data Structure and Algorithms; Human Computer Interaction; Computer Vision and Graph Understanding; Unify Communication; Software Engineering; Database System Principle; Information Security; Linux Analyze and Application; Advanced E-business; ERP Enterprise Application; Operating Systems; Computer Organizations and Architecture; Digital Circuits.
- Economics Coursework: Family Business Administration; Strategic Administration.

Software Development Eng. Intern

Microsoft Corp.

Autumn 2011 - Dec 2011

- This information management platform is aimed to help make scientific, grounded decisions – on one hand, in a real-time manner – based on collected global-wide information such as exchange rates of each currency, transactions of major stock markets and their indices, instant monetary policies and economic situation, via supplying to more than ten thousand stuffs working for CGB with accurate, timely, first-hand information; on the other hand, either in a coarse- or fine-grained manner, with good usage of this giant information warehouse, scientific research can be done to help learn from historical trend and guide the future work.
- Development Tools: Win7 Enterprise, Visual Studio Ultimate 2010, Team Foundation Server 2010, Microsoft SharePoint 2010, Silverlight 4, Windows Server 2008, SQL Server 2008 R2, IIS 7, etc.
- Technologies Applied (at current stage): .NET3.5 Web Application Related Technologies, SQL Server Administration and Development Technologies, IIS Deployment Technologies, HTML5, XML, JavaScript, SharePoint and Active Directory Related Technologies etc.

AWARDS CONT.

- 2009-2010 3rd Prize in Mobile Terminal Software Innovation Contest
- 2007-2008 Winning Prize in Software Innovation Contest held by SYSU
- 2008-2009 Top 7 in Men's 50m Backstroke Race of SYSU Swimming Contest
- 2008-2009 Top 7 in Men's 200m Breaststroke Race of SYSU Swimming Contest